

UPDATED

Air Quality Report
Slide Fire – Coconino National Forest

May 24, 2014

Smoke Synopsis:

A low-pressure system moving into the area on Thursday helped push the smoke north and northwest of the fire. Additionally, increased moisture and cloud cover lowered afternoon temperatures resulting in less lift of daytime smoke. This contributed to slightly elevated smoke impacts in the Flagstaff area during the evening before smoke drained towards the Verde Valley overnight. Sedona still experienced Unhealthy air quality during the early Friday morning; with surrounding areas observing minimal smoke impacts.

Westerly winds forecasted throughout much of the day Saturday may push smoke off to the east of the fire. Areas east of I17 may experience intermittent impacts throughout the day with chances of moderate impacts to the areas of Village of Oak Creek, Rim Rock, Camp Verde and the lower Verde Valley overnight and into the early morning hours.

Lighter winds this weekend and cooler high temperatures will help keep more smoke near the fire. As a result, the Flagstaff area and Verde Valley may observe increased and longer duration smoke impacts. Potential thunderstorm activity has been forecasted for the area. Outflow winds from thunderstorms are capable of causing smoke impacts into areas previously unaffected.

Air Quality Outlook:

Site	Friday May 23, 2014 AQI	Saturday May 24, 2014 AQI	Sunday May 25, 2014 AQI	Health Statement
Camp Verde	Good	Good	Moderate	
Cottonwood	Good	Good	Good	
Flagstaff	Moderate	Moderate	Moderate	
Flagstaff-East	Moderate	Moderate	Moderate	
Fort Tuthill	Moderate	Moderate	Good	
Sedona	Unhealthy	Unhealthy	Unhealthy	

Disclaimer:

Warning: These data have been obtained from automated instruments and have not been subjected to a quality assurance review to determine their accuracy. They are presented for public awareness and should not be considered final. Conditions such as power outages and equipment malfunctions can produce invalid data.

AQI Index ($\mu\text{g}/\text{m}^3$)	Potential Health Impacts	Actions to Protect Yourself
Good (0-12)	Air quality is satisfactory and poses little or no health risk.	None
Moderate (13-35)	Air quality is acceptable for most. There may be moderate health concern for a small number of sensitive people.	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups - USG (36-55)	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	People with heart or lung disease, children and older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.
Unhealthy (56-150)	Everyone may begin to experience more serious health effects.	The following groups should avoid all physical outdoor activity: People with heart or lung disease, children and older adults. Everyone else should avoid prolonged or heavy exertion.
Very Unhealthy (151-250)	Triggers a health alert, meaning everyone may experience more serious health effects	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.
Hazardous (>250)	The entire population is even more likely to be affected by serious health effects.	The following groups should remain indoors and keep activity levels low: People with heart or lung disease; children and older adults. Everyone else should avoid prolonged or heavy exertion

Links:

Monitor Data - <http://www.phoenixvis.net/PPMmain.aspx>

Smoke Information - <https://www.facebook.com/azdeg>

Monitors:

